

APPLICANT(S): BURR, Jeremy  
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### AMENDMENTS TO THE CLAIMS

The following listing of claims is intended to replace all prior versions or listings of claims in the application. Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer claims indicated as cancelled:

1. **(Currently Amended)** A mobile device, comprising:  
    ~~a receiver designed to receive a communication from one or more other mobile device;~~  
    ~~a transmitter designed to transmit messages to the one or more other mobile device;~~  
    ~~a common software application stored in the mobile device; and~~  
    a processor ~~designed~~ programmed to establish a mobile ad-hoc network of mobile devices and to construct a routing list of at least some of the mobile devices of the ad-hoc network that including-include said-an installed common application software application, wherein the processor is able the routing list is used to establish, within said mobile ad-hoc network, a sub-network of the mobile devices having installed therein said common application software, application within a mobile ad-hoc network according to said routing list.
2. **(Currently Amended)** A mobile device according to claim 1, wherein the routing list includes one or more routes to the one or more other mobile devices including the common application software ~~application~~.
3. **(Previously Presented)** A mobile device according to claim 1, comprising:  
    a memory; and  
    a routing table stored in the memory, the routing table including the routing list.
4. **(Currently Amended)** A mobile device according to claim 3, wherein the routing table is designed to store a route to at least one other reachable device including the common application software ~~application~~.

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5. **(Currently Amended)** A mobile device according to claim 1, wherein the receiver is able to receive from a second mobile device another routing list of other devices having the common application software ~~application~~-reachable from said second mobile device.

6. **(Canceled)**

7. **(Currently Amended)** A method comprising:  
establishing a mobile ad-hoc network of two or more mobile devices, at least some of which include an installed common application software; and  
establishing a sub-network of said at least some of the mobile devices that have a mobile ad-hoc network of at least first and second mobile devices having a installed therein said common application software.

8. **(Currently Amended)** A method according to claim 7, further comprising establishing a communications channel between ~~the first and second device~~ devices if ~~the second device includes that~~ have installed therein the common application software.

9. **(Previously Presented)** A method according to claim 8, further comprising:  
receiving a list of devices reachable from the second device, the list including a third device having the common software application; and  
establishing a communications channel from the first device through the second device to the third device.

10. **(Original)** A method according to claim 9, further comprising sending messages from the first device to the second device, to be relayed to the third device.

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11. **(Original)** A method according to claim 10, wherein sending messages from the first device to the second device includes specifying a path from the first device to the third device.

12. **(Original)** A method according to claim 9, wherein establishing a communications channel from the first device through the second device to the third device includes establishing a communications channel from the first device through the second device to the third device without regard for any alternative route from the first device to the third device.

13. **(Currently Amended)** A method according to claim 9, ~~wherein comprising~~ determining whether the third device has installed therein ~~includes the common~~ application software ~~includes receiving from the second device an indication that the~~ third device includes the common software application.

14. **(Currently Amended)** A method according to claim 9, wherein receiving a list of devices reachable from the second device includes receiving an indication that the third device includes the common application software ~~application~~.

15. **(Original)** A method according to claim 9, further comprising changing the communications channel from the first device through the second device to the third device to an alternative communications channel if the alternative communications channel has a lower cost than the communications channel.

16. **(Original)** A method according to claim 8, further comprising:  
receiving a list of devices reachable from the second device; and  
forwarding the list of devices to a third device within range of the first device.

17. **(Currently Amended)** A method according to claim 16, wherein receiving a list of devices reachable from the second device includes receiving a list of devices

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~~including having~~ the common application software ~~application~~-reachable from the second device.

18. **(Currently Amended)** An article comprising:  
a storage medium, said storage medium having stored thereon instructions that, when executed by a computing device, result in:

establishing a mobile ad-hoc network of two or more mobile devices, at least some of which include an installed common application software; and

establishing a sub-network of said at least some of the mobile devices that have a mobile ad-hoc network of at least first and second mobile devices having a installed therein said common application software application.

19. **(Currently Amended)** An article according to claim 18, wherein the storage medium has further stored thereon instructions, that, when executed by the computing device, result in:

establishing a communications channel between the first and second device-devices if the second device includes that have installed therein the common application software.

20. **(Previously Presented)** An article according to claim 19, wherein the storage medium has further stored thereon instructions, that, when executed by the computing device, result in:

receiving a list of devices reachable from the second device, the list including a third device having the common software application; and establishing a communications channel from the first device through the second device to the third device.

21. **(Original)** An article according to claim 20, wherein the storage medium has further stored thereon instructions, that, when executed by the computing device,

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result in sending messages from the first device to the second device, to be relayed to the third device.

22. **(Original)** An article according to claim 21, wherein sending messages from the first device to the second device includes specifying a path from the first device to the third device.

23. **(Original)** An article according to claim 20, wherein establishing a communications channel from the first device through the second device to the third device includes establishing a communications channel from the first device through the second device to the third device without regard for any alternative route from the first device to the third device.

24. **(Currently Amended)** An article according to claim 20, ~~wherein comprising determining whether the third device has installed therein includes the common application software includes receiving from the second device an indication that the third device includes the common software application.~~

25. **(Currently Amended)** An article according to claim 20, wherein receiving a list of devices reachable from the second device includes receiving an indication that the third device includes the common application software ~~application.~~

26. **(Original)** An article according to claim 20, further comprising changing the communications channel from the first device through the second device to the third device to an alternative communications channel if the alternative communications channel has a lower cost than the communications channel.

27. **(Original)** An article according to claim 19, wherein the storage medium has further stored thereon instructions, that, when executed by the computing device, result in:

receiving a list of devices reachable from the second device; and

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forwarding the list of devices to a third device within range of the first device.

28. **(Currently Amended)** An article according to claim 27, wherein receiving a list of devices reachable from the second device includes receiving a list of devices ~~including having~~ the common application software ~~application~~-reachable from the second device.